LAW OFFICES NNISON, SCHULTZ & MACDONAL! SUITE 105 1727 KING STREET

IN THE CLAIMS:

The following is a complete listing of claims in this application.

1. (original) An imidazole derivative of formula (I):

and acid addition salts and stereoisomeric forms thereof, wherein :

• R_1 and R_2 are each independently hydrogen, a (C_1-C_6) alkyl or a

 (C_3-C_8) cycloalkyl ; or R_1 and R_2 together form a saturated or unsaturated

5-, 6- or 7- membered carbocyclic ring;

- · Q is $(CH_2)_m$ -X- $(CH_2)_n$ -A;
- · A is a direct link, O, S, SO, SO_2 , NR_5 ;
- · X is a direct link, CF_2 , O, S, SO, SO_2 , C(O), NR_5 or CR_6R_7 ;
- \cdot Z is a group selected from:

- · m and n are each independently 0, 1, 2, 3 or 4;
- · p is 1, 2, 3 or 4;
- · q is 0, 1 or 2;
- the dotted line means that R_{0} and/or R_{9} can be on any position of the benzothiophene ring;
- \cdot R_3 and R_8 are each independently hydrogen or a hydroxy, cyano, halogen, nitro, $(C_1-C_6)\,alkyl$, $(C_1-C_6)\,alkoxy$, trifluoromethyl, $(C_1-C_6)\,alkylthio$, $(C_1-C_6)\,alkylsulfonyl$, acyl, $(C_1-C_6)\,alkoxycarbonyl$, carboxamido, $OPO\left(OR_{10}\right)_2$, $NR_{10}R_{11}$, $SO_2NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, OSO_2N
- · when Q-Z is

$$(CH_2)_n$$
 R_8 $(R_9)_n$

n is 0, 1 or 2 and p is 1, one of R_3 and R_8 is a hydroxy, nitro, OPO(OR₁₀)₂, NR₁₀R₁₁, OSO₂NR₁₀R₁₁, OSO₂OR₁₀, SO₂OR₁₀, SO₂OR₁₀, SSO₂NR₁₀R₁₁, CF₂SO₂OR₁₀, CF₂SO₂NR₁₀R₁₁, CF₂-tetrazolyl, NR₁₂SO₂NR₁₀R₁₁ OSO₂NR₁₀SO₂NR₁₁R₁₂, CO₂R₁₀, CONR₁₀R₁₁, OCHO, OCONR₁₀R₁₁, OCSNR₁₀R₁₁, SCONR₁₀R₁₁, tetrazolyl, NR₁₂CONR₁₀R₁₁, NR₁₀-CHO group and the other is hydrogen or a hydroxy, cyano, halogen, nitro, (C₁-C₆)alkyl, (C₁-C₆)alkoxy, trifluoromethyl, (C₁-C₆)alkylthio, (C₁-C₆)alkylsulfonyl, acyl, (C₁-C₆)alkylthio, (C₁-C₆)alkylsulfonyl, acyl, (C₁-C₆)alkoxycarbonyl, carboxamido, NR₁₀R₁₁, SO₂NR₁₀R₁₁, OSO₂NR₁₀R₁₁, OSO₂NR₁₀R₁₁, CF₂-tetrazolyl, NR₁₂SO₂NR₁₀R₁₁, CF₂SO₂OR₁₀, CF₂SO₂NR₁₀R₁₁, CF₂-tetrazolyl, NR₁₂SO₂NR₁₀R₁₁, OSO₂NR₁₀R₁₁, SCONR₁₀R₁₁, CO₂R₁₀, CONR₁₀R₁₁, NR₁₂CONR₁₀R₁₁, NR₁₀-CHO group;

- \cdot R_4 and R_9 are each independently hydrogen or a hydroxy, cyano, halogen, nitro, $OPO\left(OR_{10}\right)_2$, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, trifluoromethyl, (C_1-C_6) alkylthio, (C_1-C_6) alkylsulfonyl, acyl, (C_1-C_6) alkoxycarbonyl, carboxamido, $NR_{10}R_{11}$, $SO_2NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, OSO_2OR_{10} , SO_2OR_{10} , $SSO_2NR_{10}R_{11}$, $CF_2SO_2OR_{10}$, $CF_2SO_2NR_{10}R_{11}$, $CF_2-tetrazolyl$, $NR_{12}SO_2NR_{10}R_{11}$, $OSO_2NR_{12}SO_2NR_{10}R_{11}$, CO_2R_{10} , CHO, $CONR_{10}R_{11}$, OCHO, $OCONR_{10}R_{11}$, $OCSNR_{10}R_{11}$, $SCONR_{10}R_{11}$, $SCSNR_{10}R_{11}$, tetrazolyl, $NR_{12}CONR_{10}R_{11}$, $NR_{10}-CHO$ group;
- \cdot when p is 2, 3 or 4 the R_9s can be the same or different;
- · R_6 and R_7 are independently hydrogen, halogen, a $(C_1-C_6)\,alkyl$ or a

(C_3-C_8) cycloalkyl;

- R_5 , R_{10} , R_{11} and R_{12} are each independently hydrogen, hydroxy, a (C_1-C_6) alkyl, or a (C_3-C_8) cycloalkyl; R_{10} can also be a salt; R_{10} and R_{11} can also form, together with the nitrogen atom to which they are bound, a 5- to 7-membered heterocycle containing one or two heteroatoms selected from O, S and N;
- · when Z is

$$R_8$$
 $(R_9)_p$

and p is 1,

then R_8 and R_9 can also form together with the phenyl ring a benzoxathiazine dioxide, a dihydrobenzoxathiazine dioxide, a benzoxathiazinone dioxide, a benzoxathiazole dioxide, a benzoxadithiadiazine tetraoxide, a benzodithiazine tetraoxide or a benzodioxadithiine tetraoxide; when Z is

$$R_8$$
 $(R_9)_p$

 $\ensuremath{R_{3}}$ and $\ensuremath{R_{4}}$ together with the phenyl ring bearing them can also form a benzofurane or a N-methylbenzotriazole, provided that when p is 1 and Q is $(CH_2)_n$, then R_8 and R_9 are independently a hydroxy, nitro, OPO(OR_{10})₂, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, OSO_2OR_{10} , SO_2OR_{10} , $SSO_2NR_{10}R_{11}$, $CF_2SO_2OR_{10}$, $CF_2SO_2NR_{10}R_{11}$, CF_2 -tetrazolyl, $NR_{12}SO_2NR_{10}R_{11}$, $OSO_2NR_{12}SO_2NR_{10}R_{11}$, CO_2R_{10} , $CONR_{10}R_{11}$, OCHO, OCONR₁₀R₁₁, OCSNR₁₀R₁₁, SCONR₁₀R₁₁, SCSNR₁₀R₁₁, tetrazolyl, $NR_{12}CONR_{10}R_{11}$ or NR_{10} -CHO group.

- 2. (original) A derivative according to claim 1, and acid addition salts and stereoisomeric forms thereof, wherein:
- one of R_3 and R_8 is a hydroxy, nitro, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$ or $NR_{12}SO_2NR_{10}R_{11}$ group; and
- the other is hydrogen or a hydroxy, cyano, halogen, nitro, (C_1-C_6) alkyl,

 (C_1-C_6) alkoxy, trifluoromethyl, (C_1-C_6) alkylthio, (C_1-C_6) alkylsulfonyl, acyl, (C_1-C_6) alkoxycarbonyl, carboxamido, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, $NR_{12}SO_2NR_{10}R_{11}$ group;

- 3. (currently amended) A derivative according to claim 1 or 2, and acid addition salts and stereoisomeric forms thereof, wherein:
- · one of R_3 and R_8 is hydroxy, cyano, (C_1-C_6) alkoxy or $OSO_2NR_{10}R_{11}$; and
- the other is hydrogen or a hydroxy, halogen, nitro, cyano, (C_1-C_6) alkoxy, $NR_{10}R_{11}$, $SO_2NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, $NR_{12}SO_2NR_{10}R_{11}$, $OSO_2NR_{10}SO_2NR_{11}R_{12}$ group.
- 4. (currently amended) A derivative according to any one of claim 1 to 3 claim 1, and acid addition salts and stereoisomeric forms thereof, wherein:
- one of R_3 and R_8 is cyano; and
- the other is hydrogen or a hydroxy, halogen, nitro, (C_1-C_6) alkoxy, $NR_{10}R_{11}$, $SO_2NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, $NR_{12}SO_2NR_{10}R_{11}$ group.
- 5. (currently amended) A derivative according to any one of claims 1 to 4 claim 1, and acid addition salts and stereoisomeric forms thereof, wherein:
- \cdot R_4 and R_9 are each independently hydrogen, hydroxy, cyano, halogen, nitro, $(C_1-C_6)\,alkyl$, $(C_1-C_6)\,alkoxy$, trifluoromethyl, $(C_1-C_6)\,alkylthio,\;\;(C_1-C_6)\,alkylsulfonyl,\;\;acyl,\;\;(C_1-C_6)\,alkoxycarbonyl,\;\;carboxamido,\;\;NR_{10}R_{11},\;\;OSO_2NR_{10}R_{11},\;\;NR_{12}SO_2NR_{10}R_{11},\;\;CO_2R_{10}$ or CHO group.
- 6. (currently amended) A derivative according to any one of claim 5, and acid addition salts and stereoisomeric forms thereof, wherein:
- · one of R_4 and R_9 is hydrogen or a hydroxy, cyano or $OSO_2NR_{10}R_{11}$; and

- · the other is hydrogen or a hydroxy, cyano, halogen, nitro, (C_1-C_6) alkyl,
- (C_1-C_6) alkoxy, trifluoromethyl, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, CO_2R_{10} , CHO, $NR_{12}SO_2NR_{10}R_{11}$ group.
- 7. (original) A derivative according to claim 6, and acid addition salts and stereoisomeric forms thereof, wherein:
- \cdot R₄ is hydrogen, hydroxy, cyano or OSO₂NR₁₀R₁₁;
- \cdot R₉ is a hydrogen or a hydroxy, cyano, halogen, nitro, (C₁-C₆)alkyl,
- (C_1-C_6) alkoxy, trifluoromethyl, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, CO_2R_{10} ,CHO group.
- 8. (original) A derivative according to claim 7, and acid addition salts and stereoisomeric forms thereof, wherein:
- · R₄ is hydrogen; and
- R_9 is hydroxy, cyano, halogen, nitro, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, trifluoromethyl, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, CO_2R_{10} , CHO or $NR_{12}SO_2NR_{10}R_{11}$.
- 9. (currently amended) A derivative according to any one of claims 1 to 8 claim 1, and acid addition salts and stereoisomeric forms thereof, wherein Z is:

$$R_8$$
 R_8
 R_8
 R_8
 R_8
 R_9
 R_9

in which:

R₈ is hydrogen, hydroxy, halogen, nitro, cyano, (C₁-C₆)alkoxy, $NR_{10}R_{11}$, $SO_2NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, $NR_{12}SO_2NR_{10}R_{11}$ or $OSO_2NR_{10}SO_2NR_{11}R_{12}$ group;

- · R₉ hydrogen or a hydroxy, cyano, halogen, nitro, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, trifluoromethyl, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, CO_2R_{10} , CHO, $NR_{12}SO_2NR_{10}R_{11}$ group;
- · p and q are as defined in claim 1
- p is 1, 2, 3 or 4;
- <u>q is 0, 1 or 2</u>.
- 10. (currently amended) A derivative according to any one of claims 1 to 9 claim 1, and acid addition salts and stereoisomeric forms thereof, wherein Q is selected from a direct link, C(0), SO_2 , CONH, C(0) $(CH_2)_n$, $(CH_2)_n$ (0) or $(CH_2)_n$ in which n is 0, 1 or 2.
- 11. (currently amended) A derivative according to claim
 1, and acid addition salts and stereoisomeric forms thereof,
 wherein:
- · Z is

$$R_8$$
 $(R_9)_p$

- Q is $(CH_2)_n$ in which n is 0,1 or 2;
- one of R_3 and R_8 is a hydroxy, nitro, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$ or $NR_{12}SO_2NR_{10}R_{11}$ group and the other is hydrogen or a hydroxy, cyano, halogen, nitro, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, trifluoromethyl, (C_1-C_6) alkylthio, (C_1-C_6) alkylsulfonyl, acyl, (C_1-C_6) alkoxycarbonyl, carboxamido, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$ or $NR_{12}SO_2NR_{10}R_{11}$ group;
- · R₄ and R₉ are each independently hydrogen, hydroxy, cyano, halogen, nitro, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, trifluoromethyl, (C_1-C_6) alkylthio, (C_1-C_6) alkylsulfonyl, acyl, (C_1-C_6) alkoxycarbonyl, carboxamido, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$ or $NR_{12}SO_2NR_{10}R_{11}$ group; $\overline{\cdot}$

- R_{10} and R_{11} are each independently hydrogen, a (C_1-C_6) alkyl or a (C_3-C_8) cycloalkyl;
- · p is 1, 2, 3 or 4;
- \cdot R₈ and R₉ together with the phenyl ring bearing them can also form a benzoxathiazine dioxide or a dihydrobenzoxathiazine dioxide;
- \cdot R_3 and R_4 together with the phenyl ring bearing them can also form a benzofurane or a N-methylbenzotriazole.
- 12. (currently amended) A derivative according to claim 11, and acid addition salts and stereoisomeric forms thereof, wherein:
- · Z is

$$R_8$$
 $(R_9)_p$

- Q is $(CH_2)_n$ in which n 0, 1 or 2;
- \cdot R_8 is hydroxy, halogen, nitro, cyano or a $(C_1-C_6)\,alkoxy, NR_{10}R_{11},~SO_2NR_{10}R_{11},~OSO_2NR_{10}R_{11},~or~NR_{12}SO_2NR_{10}R_{11}~group;$
- · R_9 is hydrogen, hydroxy, cyano, halogen, nitro, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, trifluoromethyl, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$;
- p is as defined in claim 1.
- 13. (original) A derivative according to claim 12, and acid addition salts and stereoisomeric forms thereof, wherein:
- n is 0 or 1;
- · R_4 and R_9 are each independently hydrogen, halogen, (C_1 - C_6) alkoxy, acyl, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$ or $NR_{12}SO_2NR_{10}R_{11}$.
- 14. (currently amended) A derivative according to any one of claims 11 to 13 claim 11, and acid addition salts and stereoisomeric forms thereof, wherein:
- · n is 0 or 1;
- \cdot R₁, R₂ and R₄ are each hydrogen;

- R₉ is hydrogen, halogen, (C_1-C_6) alkyl or $OSO_2NR_{10}R_{11}$.
- 15. (currently amended) A derivative according to any one of claims 11 to 14 claim 11, and acid addition salts and stereoisomeric forms thereof, wherein:
- · n and p are 1;
- · R₈ is a hydroxy, halogen, nitro, cyano, (C_1-C_6) alkoxy, NR₁₀R₁₁, SO₂NR₁₀R₁₁, OSO₂NR₁₀R₁₁, NR₁₂SO₂NR₁₀R₁₁ or OSO₂NR₁₀SO₂NR₁₁R₁₂ group;
- · R₉ a hydroxy, cyano, halogen, nitro, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, trifluoromethyl, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, CO_2R_{10} or CHO group;
- \cdot R₃ is cyano, hydroxy, OSO₂NR₁₀R₁₁ or NR₁₂SO₂NR₁₀R₁₁;
- \cdot R₄ is hydrogen, hydroxy, halogen, cyano or OSO₂NR₁₀R₁₁.
- 16. (currently amended) A derivative according to any one of claims 12 to 15 claim 12, and acid addition salts and stereoisomeric forms thereof, wherein one of R_3 and R_8 is hydroxy, cyano or $OSO_2NR_{10}R_{11}$ and the other is hydroxy, nitro, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$ or $NR_{12}SO_2NR_{10}R_{11}$.
- 17. (original) A derivative according to claim 16, and acid addition salts and stereoisomeric forms thereof, wherein one of R_3 and R_8 is cyano or $OSO_2NR_{10}R_{11}$ and the other is hydroxy or $OSO_2NR_{10}R_{11}$.
- 18. (currently amended) A derivative according to $\frac{1}{1}$ or $\frac{1}{2}$ $\frac{1}{2}$ claim $\frac{1}{2}$, and acid addition salts and stereoisomeric forms thereof, wherein :
- · Z is

$$(R_9)_{p}$$
 S $(O)_{c}$

in which:

- Q is $(CH_2)_m X (CH_2)_n A -;$
- A is a direct bond or O, S, SO, SO_2 , NR_5 ;
- · X is a direct bond, CF_2 , O, S, SO, SO_2 , C(O), NR_5 or CR_6R_7 ;
- m and n are each independently 0, 1, 2, 3 or 4;
- \cdot R_3 , R_4 , R_8 and R_9 are each independently hydrogen or a hydroxy, cyano, halogen, nitro, (C_1-C_6) alkyl, (C_1-C_6) alkoxy, benzyloxy, trifluoromethyl, (C_1-C_6) alkylthio, (C_1-C_6) alkylsulfonyl, acyl, (C_1-C_6) alkoxycarbonyl, $NR_{10}R_{11}$, $OPO\left(OR_{10}\right)_2$, OCHO, $COOR_{10}$, $SO_2NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$, SO_2OR_{10} , OSO_2OR_{10} , $SSO_2NR_{10}R_{11}$, $CONR_{10}R_{11}$, $OCONR_{10}R_{11}$, $OCSNR_{10}R_{11}$, $SCONR_{10}R_{11}$, $SCSNR_{10}R_{11}$, $NR_{12}SO_2NR_{10}R_{11}$, tetrazolyl, $NR_{10}CONR_{11}OH$, $NR_{10}SO_2NR_{11}OH$, NOH-CHO, $NOHSO_2NR_{10}R_{11}$ or $OSO_2NR_{10}OH$ group;
- \cdot p is 0,1 or 2.
- \cdot R₅, R₆, R₇, R₁₀, R₁₁ and R₁₂ are each independently hydrogen, a (C₁-C₆)alkyl or a (C₃-C₈)cycloalkyl; R₁₀ can also be a salt; R₁₀ and R₁₁ can also form, together with the nitrogen atom to which they are bound, a 5- to 7-membered heterocycle containing one or two heteroatoms selected from O, S and N;
- The the dotted line means that Q and/or R_8 and/or R_9 can be on any position of the benzothiophene ring.
- 19. (original) A derivative according to claim 18, and acid addition salts and stereoisomeric forms thereof, wherein R_8 is $OSO_2NR_{10}R_{11}$ or $NR_{12}SO_2NR_{10}R_{11}$.
- 20. (currently amended) A derivative according to claim 18 $\frac{1}{1}$ wherein R_9 is hydrogen, halogen, nitro, COOR₁₀ or cyano.
- 21. (currently amended) A derivative according to any one of claims 18 to 20 claim 18, wherein R_4 is hydrogen, halogen, cyano, (C_1-C_6) alkoxy, $NR_{10}R_{11}$, $OSO_2NR_{10}R_{11}$ or $NR_{12}SO_2NR_{10}R_{11}$
- 22. (currently amended) A derivative according to any one of claims 18 to 21 claim 19, wherein R_{10} , R_{11} and R_{12} are each independently hydrogen or (C_1-C_6) alkyl.

. LAW OFFICES
DENNISON, SCHULTZ & MACDONALD
SUITE 10S
1727 KING STREET
ALEXANDRIA, VIRGINIA 22314-2700

- 23. (currently amended) A derivative according to any one of claims 18 to 22 claim18, wherein Q is $(CH_2)_m-X-(CH_2)_n-A$ where m is 0, 1 or 2 and X is a direct bond, SO_2 or CO, n is 0 and A is a direct bond.
- 24. (currently amended) A derivative according to any one of claims 18 to 23 claim 18, wherein R_3 is hydrogen, halogen or cyano.
- 25. (currently amended) A derivative according to claim 1 or 2, and acid addition salts and stereoisomeric forms thereof, wherein:
- Z is a group:

$$R_8$$
 $(R_9)_p$

in which R_8 , R_9 and p are as defined in claim 1.

- 26. (currently amended) A derivative according to claim 25, and acid addition salts and stereoisomeric forms thereof, wherein:
- · R_3 is cyano or $OSO_2NR_{10}R_{11}$;
- \cdot R₄ is hydrogen, hydroxyl, halogen, cyano, OSO₂NR₁₀R₁₁;
- \cdot R_8 is hydroxy, cyano, $OSO_2NR_{10}R_{11},\ NR_{10}R_{11},\ NR_{12}SO_2NR_{10}R_{11},\ OCHO$ or tetrazolyl;
- \cdot R₉ is hydrogen, halogen, nitro, cyano or CO₂R₁₀; and
- Q is as defined is claim 10 $(CH_2)_n$ in which n 0, 1 or 2.
- 27. (currently amended) A derivative according to any one of claims 1 to 26 claim 1, and acid addition salts and stereoisomeric forms thereof, wherein R_1 and R_2 are independently hydrogen or a (C_1-C_6) alkyl group.

- 28. (currently amended) A derivative according to any one of claims 1 to 27 claim 1, and acid addition salts and stereoisomeric forms thereof, wherein R_{10} and R_{11} are hydrogen.
- 29. (currently amended) A compound according to any one of claims 1 to 28 claim 1 or a pharmaceutically acceptable salt thereof for use as an active therapeutic substance.
- 30. (currently amended) A pharmaceutical composition comprising a derivative according to any one of claims 1 to 28 claim 1, or a pharmaceutically acceptable acid addition salt thereof, and a pharmaceutically acceptable carrier.
- 31. (original) The pharmaceutical composition according to claim 30, comprising from 0.1 to 400 mg of said derivative.

 Claims 32-39 (canceled).